



IFWO

RAW SEQUENCE LISTING

DATE: 07/27/2004

PATENT APPLICATION: US/10/664,044A

TIME: 16:24:11

Input Set : N:\AMC\US10664044A.raw

Output Set: N:\CRF4\07272004\J664044A.raw

1 <110> APPLICANT: Japan Atomic Energy Research Institute
 2 SATOH, Katsuya
 3 <120> TITLE OF INVENTION: A method for efficiently determining a DNA strand break
 4 <130> FILE REFERENCE: 001458.00037
 C--> 5 <140> CURRENT APPLICATION NUMBER: US/10/664,044A
 6 <141> CURRENT FILING DATE: 2003-09-17
 7 <150> PRIOR APPLICATION NUMBER: JP 2003-26303
 8 <151> PRIOR FILING DATE: 2003-02-03
 9 <160> NUMBER OF SEQ ID NOS: 4
 10 <170> SOFTWARE: PatentIn version 3.1
 12 <210> SEQ ID NO: 1
 13 <211> LENGTH: 284
 14 <212> TYPE: PRT
 15 <213> ORGANISM: Deinococcus radiodurans, strain KD8301
 16 <220> FEATURE:
 17 <223> OTHER INFORMATION: Amino acid sequence of DNA repair promoting protein, PprA, of
 18 Deinococcus radiodurans, strain KD8301.
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 21 1 5 10 15
 22 Phe Asp Thr Leu Met Ser Thr Ala Gly Val Asp Ser Gln Ile Ala Ala
 23 20 25 30
 24 Leu Ala Ala Ser Glu Ala Asp Ala Gly Thr Leu Asp Ala Ala Leu Thr
 25 35 40 45
 26 Gln Ser Leu Gln Glu Ala Gln Gly Arg Trp Gly Leu Gly Leu His His
 27 50 55 60
 28 Leu Arg His Glu Ala Arg Leu Thr Asp Asp Gly Asp Ile Glu Ile Leu
 29 65 70 75 80
 30 Thr Asp Gly Arg Pro Ser Ala Arg Val Ser Glu Gly Phe Gly Ala Leu
 31 85 90 95
 32 Ala Gln Ala Tyr Ala Pro Met Gln Ala Leu Asp Glu Arg Gly Leu Ser
 33 100 105 110
 34 Gln Trp Ala Ala Leu Gly Glu Gly Tyr Arg Ala Pro Gly Asp Leu Pro
 35 115 120 125
 36 Leu Ala Gln Leu Lys Val Leu Ile Glu His Ala Arg Asp Phe Glu Thr
 37 130 135 140
 38 Asp Trp Ser Ala Gly Arg Gly Glu Thr Phe Gln Arg Val Trp Arg Lys
 39 145 150 155 160
 40 Gly Asp Thr Leu Phe Val Glu Val Ala Arg Pro Ala Ser Ala Glu Ala
 41 165 170 175
 42 Ala Leu Ser Asp Ala Ala Trp Asp Val Ile Ala Ser Ile Lys Asp Arg
 43 180 185 190
 44 Ala Phe Gln Arg Glu Leu Met Arg Arg Ser Glu Lys Asp Gly Met Leu



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45          195          200          205
46 Gly Ala Leu Leu Gly Ala Arg His Ala Gly Ala Lys Ala Asn Leu Ala
47          210          215          220
48 Gln Leu Pro Glu Ala His Phe Thr Val Gln Ala Phe Val Gln Thr Leu
49          225          230          235          240
50 Ser Gly Ala Ala Ala Arg Asn Ala Glu Glu Tyr Arg Ala Ala Leu Lys
51          245          250          255
52 Thr Ala Ala Ala Leu Glu Glu Tyr Gln Gly Val Thr Thr Arg Gln
53          260          265          270
54 Leu Ser Glu Val Leu Arg His Gly Leu Arg Glu Ser
55          275          280
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58 <211> LENGTH: 855
59 <212> TYPE: DNA
60 <213> ORGANISM: Deinococcus radiodurans, strain KD8301
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Nucleotide sequence of DNA repair promoting protein, pprA, of
63 Deinococcus radiodurans, strain KD8301.
64 <400> SEQUENCE: 2
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70 gcgcccattg aggcgctcga cgaacgcggc ctgagccagt gggcggcgct cggcgagggc 360
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72 gacttcgaaa ccgactggtc ggcgggggcg gccgaaacct ttcagcgcg gtggcgcaag 480
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85 <220> FEATURE:
86 <223> OTHER INFORMATION: Sense primer for amplifying pprA gene.
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92 <212> TYPE: DNA
93 <213> ORGANISM: Deinococcus radiodurans
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Antisense primer for amplifying pprA gene.
96 <400> SEQUENCE: 4

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32

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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3,17

Seq#:2; Line(s) 62

VERIFICATION SUMMARY

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L:5 M:270 C: Current Application Number differs, Wrong Format